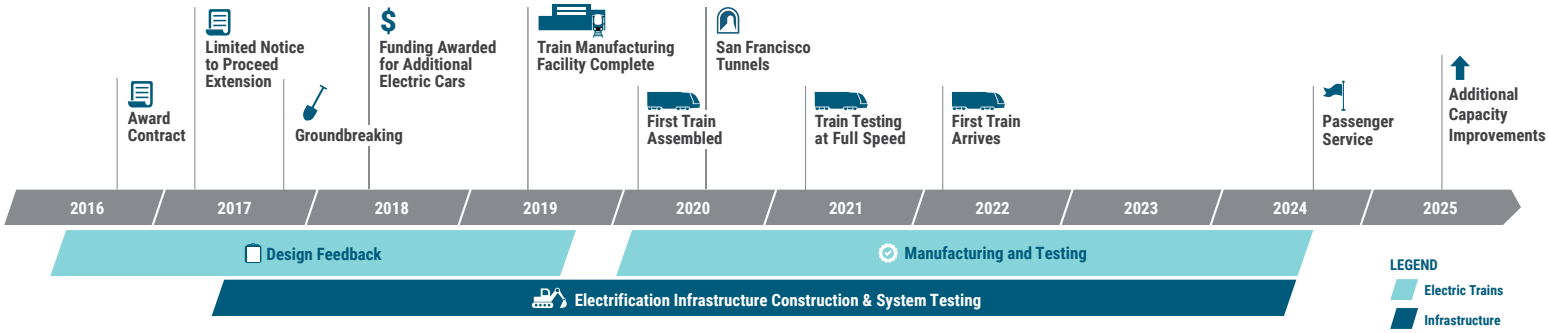
CalMod

CALTRAIN ELECTRIFICATION PROJECT

PROJECT FACTSHEET
November 2021

MILESTONES



KEY REGIONAL BENEFITS

- REDUCED ANNUAL GREENHOUSE GAS EMISSIONS
- REDUCED ENGINE NOISE
- DECREASED TRAFFIC CONGESTION
- INCREASED DAILY RIDERSHIP CAPACITY
- REGIONAL ECONOMIC BENEFITS
- MORE FREQUENT & FASTER TRIPS

FOR MORE INFORMATION

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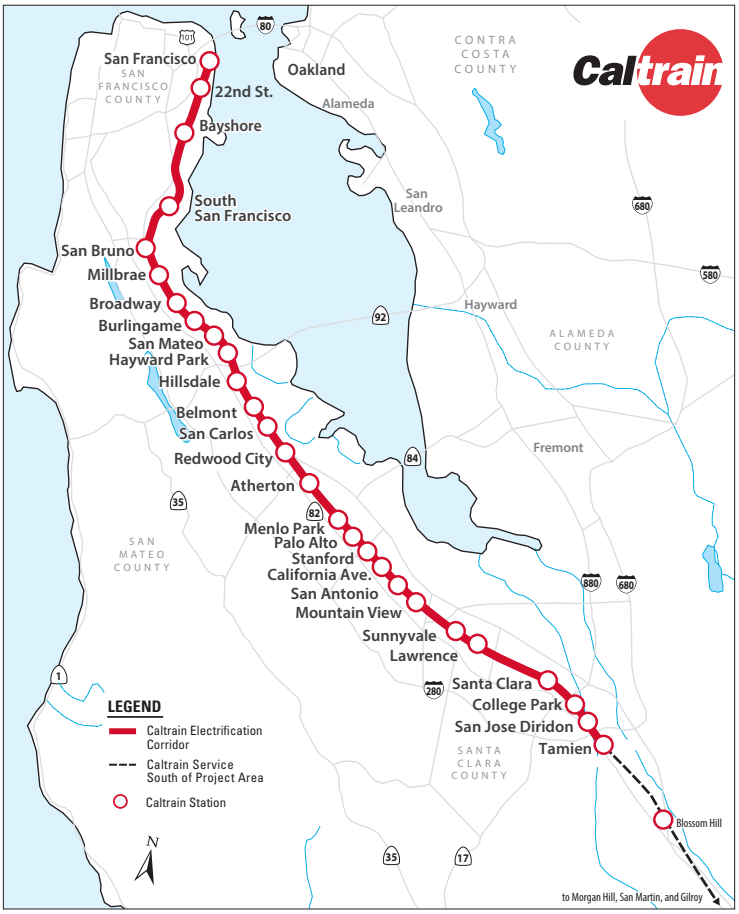
PROJECT OVERVIEW

Over the last decade, Caltrain has experienced a substantial increase in ridership and anticipates further increases in ridership demand as the Bay Area's population grows. Caltrain electrification, scheduled to be implemented in 2024, will electrify and upgrade the performance, operating efficiency, capacity, safety and reliability of Caltrain's commuter rail service.



Electrification is a key component of the Caltrain Modernization Program and consists of replacing Caltrain's diesel trains with electric trains for services between the Fourth and King Street Station in San Francisco and the Tamien Station in San Jose. The project will entail the installation of new electrical infrastructure and the purchase of electric vehicles. Caltrain will continue Gilroy service and tenant use.

PROJECT BENEFITS

An electric Caltrain will better address riders' vision of an environmentally-friendly, fast, reliable service. Electrification will modernize Caltrain and make it possible to increase service while offering several advantages in comparison with existing diesel power use, including:

- Improved Train Performance, Increased Ridership Capacity and Increased Service: Electric trains can accelerate and decelerate more quickly than diesel-powered trains, allowing Caltrain to run more efficiently. In addition, because of their performance advantages, electric trains will enable more frequent and/or faster train service for more riders.
- Increased Revenue and Reduced Fuel Cost: An electric Caltrain will increase ridership and fare revenues while decreasing fuel costs.
- Reduced Engine Noise Emanating from Trains: Noise from electric train engines is measurably less than diesel train engines. Train horns will continue to be required at grade crossings, consistent with safety regulations.
- Improved Regional Air Quality and Reduced Greenhouse Gas Emissions: Electric trains will produce substantially less corridor air pollution compared with diesel trains, even when the indirect emissions from electrical power generation are included. Increased ridership will reduce automobile usage, resulting in additional air quality benefits. In addition, the reduction of greenhouse gas emissions is not only good for our regional air quality, but will also help meet the state's emission reduction goals.
- Positive Economic Benefits for the Region: Electrification improvements also create regional job opportunities and other valuable economic benefits that are critical to the economic welfare of our region and our state.
- Setting the Foundation for Future Growth: Electrification is the first step towards Caltrain's revolutionary Service Vision. When fully achieved in 2040, the Service Vision will provide electrified rail service from Downtown San Francisco to Gilroy, improve regional and statewide connectivity, reduce GHG emissions, and support tripling ridership to 180,000 Caltrain passengers every weekday — the equivalent of adding 5.5 new freeway lanes worth of capacity to U.S. 101.

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